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Amendments to the Claims:

1. (Currently amended) An isolated nucleic acid molecule comprising a nucleotide sequence selected from the group consisting of:

- (a) ~~a nucleotide sequence encoding a maize 3-oxoacyl-[ACP] reductase (OAR);~~
- (b) ~~a nucleotide sequence encoding a soybean OAR;~~
- (c) ~~a nucleotide sequence comprising the nucleotide sequence set forth in SEQ ID NO: 1, 3, 5, or 7;~~
- (d) (b) a nucleotide sequence which encodes a polypeptide having the amino acid sequence set forth in SEQ ID NO: 2, 4, 6, or 8;
- (e) ~~a nucleotide sequence comprising at least 15 contiguous bases of at least one the nucleotide sequence selected from the group consisting of the nucleotide sequences set forth in SEQ ID NO: 1, 3, 5, and 7, wherein said nucleotide sequence encodes a polypeptide comprising OAR activity;~~
- (f) (c) a nucleotide sequence having at least ~~85%~~ 95% sequence identity to at least one ~~the~~ nucleotide sequence selected from the group consisting of the nucleotide sequences set forth in SEQ ID NO: 1, 3, 5, and 7, wherein said nucleotide sequence encodes a polypeptide comprising OAR 3-oxoacyl-[acyl carrier protein] reductase (OAR) activity; and
- (g) ~~a nucleotide sequence comprising at least 20 nucleotides in length which hybridizes under low stringency conditions to at least one nucleotide sequence selected from the group consisting of the nucleotide sequences set forth in SEQ ID NO: 1, 3, 5, and 7, wherein said nucleotide sequence encodes a polypeptide comprising OAR activity; and~~
- (h) (d) a nucleotide sequence fully complementary to a nucleotide sequence of (a), (b), or (c), (d), (e), (f), or (g), wherein said nucleotide sequence is capable of antisense suppression of OAR expression in a cell.

2. (Original) An expression cassette comprising at least one nucleic acid molecule of claim 1 operably linked to a promoter.

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3. (Original) The expression cassette of claim 2, wherein said promoter drives expression in a plant cell.

4. (Canceled)

5. (Original) The expression cassette of claim 3 further comprising a peroxisome-targeting signal operably linked to said nucleic acid molecule.

6. (Original) A non-human host cell transformed with at least one expression cassette of claim 2.

7. (Original) The host cell of claim 6, wherein said host cell is selected from the group consisting of a plant cell, a bacterial cell, and a yeast cell.

8. (Currently amended) A transgenic plant comprising in its genome a stably integrated first nucleotide construct comprising a nucleic acid molecule operably linked to a first promoter that drives expression in a plant cell, wherein said nucleic acid molecule comprises a first nucleotide sequence selected from the group consisting of:

(a) ~~a nucleotide sequence encoding a maize 3-oxoacyl-[ACP] reductase (OAR);~~

(b) ~~a nucleotide sequence encoding a soybean OAR;~~

(c) ~~a nucleotide sequence comprising the nucleotide sequence set forth in SEQ ID NO: 1, 3, 5, or 7;~~

(d) (b) a nucleotide sequence which encodes a polypeptide having the amino acid sequence set forth in SEQ ID NO: 2, 4, 6, or 8;

(e) ~~a nucleotide sequence comprising at least 15 contiguous bases of at least one the nucleotide sequence selected from the group consisting of the nucleotide sequences set forth in SEQ ID NO: 1, 3, 5, and 7, wherein said nucleotide sequence encodes a polypeptide comprising OAR activity;~~

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~~(d)~~ (c) a nucleotide sequence having at least 85% 95% sequence identity to at least one ~~the~~ nucleotide sequence selected from the group consisting of the nucleotide sequences set forth in SEQ ID NO: 1, 3, 5, and 7, wherein said nucleotide sequence encodes a polypeptide comprising OAR activity; and

~~(e)~~ ~~a nucleotide sequence comprising at least 20 nucleotides in length which hybridizes under low stringency conditions to at least one nucleotide sequence selected from the group consisting of the nucleotide sequences set forth in SEQ ID NO: 1, 3, 5, and 7, wherein said nucleotide sequence encodes a polypeptide comprising OAR activity; and~~

~~(f)~~ (d) a nucleotide sequence fully complementary to a nucleotide sequence of (a), (b), or (c), (d), (e), (f), or (g); wherein said nucleotide sequence is capable of antisense suppression of OAR expression in a cell.

9. (Original) The plant of claim 8, wherein said plant is a monocot or a dicot.

10. (Original) The plant of claim 9, wherein said plant is selected from the group consisting of corn, soybean, wheat, rice, alfalfa, barley, millet, sunflower, sorghum, safflower, *Brassica spp.*, and cotton.

11. (Original) Transformed seed of the plant of claim 8.

Claims 12-22. (Canceled)